

ABSTRACT OF THE DISCLOSURE

5 A method of joining coiled sucker rod in the field. In its most basic form, the method includes a first step of placing abutting ends of sucker rod in face to face relation. A second step involves positioning a gas burner in proximity to the abutting ends of sucker rod and heating the abutting ends with a hydrocarbon gas flame while applying axial pressure to force the abutting ends together. A third step involves continuing heating and applying pressure until a weld is formed with a bulge formed above the weld which is at least one third of the diameter of the welded rod.

15 A fourth step involves keeping the pressure constant until the weld cools.